

WANG

LABORATORIES, INC.

836 NORTH STREET, TEWKSBURY, MASSACHUSETTS 01876, TEL.(617) 851-4111, TWX 710 343-6769, TELEX 94-7421

DATA SHEET

The Wang Model 2202 Plotting Output Writer is a modified IBM Selectric® II typewriter that functions both as a digital plotter and an output writer. The unit is enabled to plot or print with a specific SELECT statement in the 2200B, 2200C, 2200T, WCS and 2200S Systems BASIC language. Option 22 is required to use this plotter on the System 2200S and WCS/10. When selected for output writer operation, an automatic carriage return is generated if the carriage width is exceeded; for plotting it is not.

The plotting is controlled with a single PLOT statement from BASIC language. Full alphanumeric labeling of plots is possible. Plotting is performed in increments of .01 in. (.0254 cm) and with a speed up to 400 steps/second. These plots are quickly typed with a wide range of characters. Additional flexibility is available with a set of Utility Routines which plot, scale and label the following: rectangular, parametric, and polar equations; bar charts; pie charts; and point plots.

The Plotting Output Writer permits full alphanumeric printout at 13 characters per second. This output is programmable with the PRINT, PRINTUSING, MAT PRINT and HEXPRINT statements of the BASIC language. The Model 2202 can be used to LIST programs, TRACE programs, and for complete console output. When not on-line with the Wang Systems, the Model 2202 Plotting Output Writer can be used as an electric typewriter.

Character Set

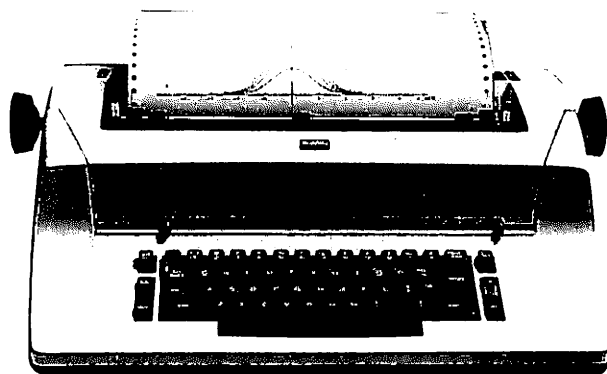
```

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstu vwxyz
1234567890 []@#%$&*()_ -+=
"':?.,!;'/

```

Pin-Feed Platen

The Plotting Output Writer can be supplied with a pin-feed platen with pins 13 1/8 in. (33.3 cm) apart horizontally and 1/2 in. (1.3 cm) vertically.



MODEL 2202 PLOTting OUTPUT WRITER

DATA SHEET

SPECIFICATIONS

- Stepping Rate**
400 steps/sec approx (X or Y axis)
- Stepping Increment**
0.01 in. (0.0254 cm) per step
- Plotting Time**
0.1 sec between points (min)
- Accuracy**
± 0.01 in. plus 0.003 in./in. (± 0.0254 cm plus 0.003 cm/cm)
- Paper Width**
13 ⁵/₈ in. (34.6 cm)
- Width of Printing Area**
12 ¹/₄ in. (31.1 cm)
- Printing Density**
Approx. 7 lines/in. (0.14 in./line) (2.75 lines/cm) (vertical)
10 characters/in. (3.94 characters/cm) (horizontal)
- Type Face**
IBM Prestige Elite 72
- Maximum Printing Speed**
13 characters/sec
- Operation Speeds (approximate)**
 - Space (backspace) 0.030 sec
 - Index 0.050 sec
 - Carriage Return 0.15 sec + 0.060 sec/in. (0.15 sec + 0.023 sec/cm)
- Size**
 - Height 33 ¹/₄ in. (84.5 cm)
 - Width 28 ¹/₂ in. (72.4 cm)
 - Depth 18 in. (45.7 cm)
- Weight**
99 lb (45 kg)
- Power Requirements**
 - 115 VAC or 230 VAC ± 10%
 - 50 or 60 Hz ± 1 Hz
 - 125 Watts

SPECIFICATIONS (CONTINUED)

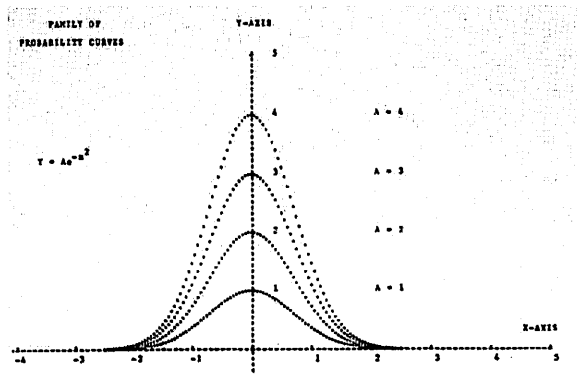
- Cables**
 - 8-ft (2.4 m) cable with connector to CPU.
 - 8-ft (2.4 m) power cord.
- Pin-Feed Platen**
 - Pins are vertically spaced ¹/₂ inch apart. Pins are horizontally spaced 13 ¹/₈ inches (33.3 cm) apart.
- Operating Environment**
 - 50°F to 90°F (10°C to 32°C)
 - 20% to 80% relative humidity, allowable
 - 35% to 65% relative humidity, recommended

Standard Warranty Applies

ORDERING SPECIFICATIONS

A plotting typewriter which provides digital plotting capability as well as fully-formatted alphanumeric printing capability to the calculating system. Must be capable of plotting multiple curves on the same set of axes using a different symbol to plot each curve with an accuracy of ± 0.01 in. + 0.003 in./in. Must be capable of plotting in one, two or four quadrants using either rectangular or polar coordinates. A full alphanumeric character set with complete formatting instructions must be available to type titles, labels or other messages at a rate of at least 13 characters per second. All operations, except tab functions, which can be manually performed from the Selectric[®], must be programmable such that they can be performed on the plotting typewriter under program control. When not being used on-line as a plotting typewriter, the device must be usable as a regular manual typewriter.

(31% ACTUAL SIZE)



Wang Laboratories reserves the right to change specifications without prior notice.



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